

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2005/000600

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/26, H04Q 7/38

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR : IPC as aboveElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
KIPASS, ESPACENET & Keywords : synchronous, asynchronous, (modem or module), handoff, (condition or information) and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X | WO 2004/014011 A2 (MOTOROLA INC. ET AL.) 12 February 2004 | 12, 13, 15, 17 |
| Y | * page 5 line 13 - page 7 line 1, page 10 line 2 - page 16 line 16 * * page 17 lines 5 - 23, figures 4, 6 * | 19 - 23 |
| X | EP 1119212 A2 (SAMSUNG ELECTRONICS CO., LTD.) 25 July 2001 | 18 |
| Y | * paragraphs [0041]-[0044], figure 4 * | 19 - 23 |
| A | US 2001/0007552 A1 (LEONARD N. SCHIFF ET AL.) 12 July 2001 * the whole document * | 1 - 11 |
| A | EP 1102506 A1 (HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.) 23 May 2001 * the whole document * | 1 - 35 |
| A | EP 1213941 A2 (SK TELECOM CO., LTD.) 12 June 2002 * the whole document * | 1 - 35 |

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
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- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search

29 JUNE 2005 (29.06.2005)

Date of mailing of the international search report

30 JUNE 2005 (30.06.2005)

Name and mailing address of the ISA/KR



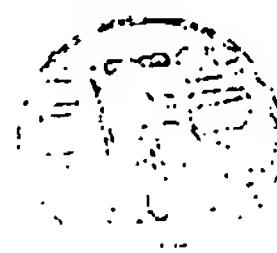
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Information on patent family members

International application No.

PCT/KR2005/000600

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|--|------------------|---|--|
| W02004014011A2 | 12-02-2004 | EP1527619A2 KR1020050021587 US06754193 | 04-05-2005 07-03-2005 22-06-2004 |
| | | US2004022265A W02004014011A3 | 05-02-2004 17-06-2004 EP1119212A2 |
| 25-07-2001 | BR200006307A | 07-08-2001 CN1304269A EP1119212A3 JP2001224052A2 | 18-07-2001 22-05-2002 17-08-2001 |
| | | KR1020010059522 US20010006515A1 | 06-07-2001 05-07-2001 |
| US20010007552A1 | 12-07-2001 | US06549780 | 15-04-2003 |
| EP1102506A1 | 23-05-2001 | JP2001169330A2 KR1020010039491 KR1020010044909 | 22-06-2001 15-05-2001 05-06-2001 |
| EP1213941A2 | 12-06-2002 | CN1358038A EP1213941A3 JP2002232930A2 KR1020020045072 US20020071404A1 | 10-07-2002 13-11-2002 16-08-2002 19-06-2002 13-06-2002 |

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